Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/02/2019 09:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125207	0	2.41	125285	2.36
Blue	F	SSC	125000	125390	0	1.59	126170	1.56
Blue	E	FITC	16433	16016	-3	2.75	349	19.81
Blue	D	PE	27595	27361	-1	2.03	598	14.56
Blue	B	PerCP-Cy5-5	43183	42968	-1	3.67	1150	20.10
Blue	A	PE-Cy7	31943	32452	1	6.07	618	40.14
Red	C	APC	42819	42265	-2	2.38	1496	12.15
Red	A	APC-Cy7	31261	30385	-3	2.27	810	11.88
Violet	B	V450	6527	6345	-3	4.82	357	13.40
Violet	A	V500	24533	23676	-4	4.55	551	10.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17950	12.54	612	12	N/A	N/A	Pass
Blue	F	SSC	57064	1.17	554	6	N/A	N/A	Pass
Blue	E	FITC	64	62.06	539	0	0.0203	110	Pass
Blue	D	PE	125	50.02	536	2	0.1740	304	Pass
Blue	B	PerCP-Cy5-5	214	48.03	649	7	0.0092	27	Pass
Blue	A	PE-Cy7	116	98.20	697	8	0.0113	13	Pass
Red	C	APC	358	25.37	579	-4	0.0243	157	Pass
Red	A	APC-Cy7	177	28.05	558	-5	0.0055	663	Pass
Violet	B	V450	54	60.89	452	-3	0.0529	2285	Pass
Violet	A	V500	82	33.53	463	-4	0.0243	812	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.99	-31.62	0.98
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.51
Red	15.87	13.60 - 20.40	N/A	N/A	29.25	29.74	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11053

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments